

Types of Cicadellinae (Homoptera, Cicadellidae) in the Muséum national d'Histoire naturelle ¹

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Résumé. — Cet article rapporte la liste des Cicadellinae (Insectes-Homoptères) des collections du Muséum de Paris que l'auteur a étudiés et auxquels il a attribué le statut de lectotype.

Abstract. — This paper relates to Cicadellinae (Insecta-Homoptera) specimens seen by the author in the Paris Museum and to which he affixed lectotype label.

This is written to stabilize the identities of a number of taxa of Cicadellinae, described by several authors, and now in the Muséum national d'Histoire naturelle in Paris. The specimens were examined through the kindness of Dr A. VILLIERS. The work was made possible by a leave of absence for research from the University of North Carolina at Raleigh and financial support from that institution and the National Science Foundation.

There follows a series of lectotype selections. These are arranged alphabetically by taxa. Complete information concerning the lectotype follows the bibliographic citation which follows the binomen. The labels are cited as they appear on the specimens. The individual labels are separated by the word "and", the individual lines on a given label are separated by a semicolon (;). A lectotype label has been added to each of the specimens, the bibliographic citations to the original descriptions follow METCALF's code letters in his "Bibliography of the Homoptera" (see Literature Cited) as do the references in the section on Literature Cited. The code letter is followed by a colon (:), then by the page number of the original description.

This work is preliminary to a revision of the genera of Cicadellinae now being prepared by the author. Illustrations of nearly all of the lectotypes published here will be published in the larger, later work.

armata, *Jilijapa* Melichar, 1925 *a* : 356. Lectotype male with labels : "Cochinchine" and "Muséum Paris ; Coll. G. Fallou 259-95" and "Jilijapa ; armata Mel." There was also a specimen without an abdomen in the collection.

blanchardi, *Tettigonia* Signoret, 1855 *d* : 788. Lectotype female with labels : "Blan-

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chardi. Sigt. ; Guatemala ”. It was the only specimen in the collection with an indication that SIGNORET had seen it. The markings, but not the form of the anterior dorsum, agreed with the original illustration. The markings of the forewings were not accurate in the original illustration.

cosmopolita, *Tettigonia* Signoret, 1853 *b* : 364. Lectotype female. Amyot and Serville collection, with a blank, blue, circular label and the label : “ cosmopolita Sigt. ” In the line collection, there was a long series of specimens from Africa, and one from Brazil (mis-labeled ?), but none bearing any indication that SIGNORET had seen them.

edwardsi, *Tettigonia* Signoret, 1855 *d* : 780. Lectotype female with labels : “ Edwardsii ; Sigt. ; Guatemala ”. It was the only specimen in the collection.

esmeraldae, *Proconia* Melichar, 1924 *a* : 203. Lectotype male with labels : “ Museum Paris ; Guyane française ; Rey 1909 ”. There were nineteen additional specimens in the collection.

flammea, *Tettigonia* Signoret, 1855 *a* : 50. Lectotype female with labels : “ 128 : 98 ” and “ Museum Paris ; Cayenne ” and “ flammea Sigt. ” This was the only specimen in the collection. It agreed fairly well with the original illustration.

flavosparsa, *Tettigonia* Signoret, 1853 *c* : 674. Lectotype female with a circular, green, blank label and labels : “ M/M ” and “ flavoadspersa [sic !] type ; Sigt ”. It agreed very well with the original description and illustration. This was the only specimen in the collection.

irrorata, *Cicada* Fabricius, 1794 *a* : 33. Lectotype with labels : “ C. irrorata ; A. in Carolina ; Fab + ” and “ Type ”.

nitida, *Tettigonia* Signoret, 1855 *d* : 799. Lectotype female with labels : “ T. nitida ; Guatemala ♀ ; Ann. Soc. Ent. ; 3 vol. p. f. 20 ”. The form of the specimen agrees with the original illustration. It was the only specimen in the collection.

niveum, *Diestostemma* Melichar, 1924 *a* : 216. Lectotype female with labels : “ Muséum Paris ; Venezuela ; cm. Merida ; Boursey 1901 ” and “ Diestostemma ; nivea n. sp. in MELICHAR'S handwriting ” and “ Determ. ; Melichar ”. This was the only specimen in the collection.

pavo, *Tettigonia* Signoret, 1853 *c* : 675. Lectotype, abdomen missing with a blank, white, circular label and the label : “ Pavo Sigt Type ”. It agreed with the original illustration except that the anterior half of the apical blue circle of each forewing was very weakly colored. It was the only specimen in the collection.

sexlineata, *Tettigonia* Signoret, 1855 *d* : 792. Lectotype female with labels : “ Muséum Paris ; Guatemala ” and “ Sexlineata ; Sigt. ; Guatemala ”. The original illustration was not very good. There was one additional female in the collection.

spatulata, *Tettigonia* Signoret, 1854 *a* : 722. Lectotype, abdomen missing, with labels : “ Spatulata Signoret ; Nouvelle Grenade ”. It agreed with the original illustration except that the markings were orange instead of yellow in the specimen, and the head was not abruptly narrowed behind the apex.

superba, *Pociloscarta* Melichar, 1951 *a* : 76. Lectotype male with labels : "Muséum Paris ; Madagascar ; Forêt Tanala ; Région d'Ikongo ; Vinamitelo ; Ch. Alluaud 1901" and "1 mars 01" and "T. *superba* ♂ ; n. sp." and "Determin. ; Melichar".

suturalis, *Microgoniella* Melichar, 1951 *a* : 110. Lectotype male with labels : "41" and "Ocana" and "Muséum Paris ; Coll. G. Fallou ; 259-95" and "Metascarta ; suturalis Mel.". This was the only specimen in the collection.

undata, *Cicada* Fabricius, 1794 *a* : 32. Lectotype female with labels : "C. *undata* ; Fab + ; A. in Carolina" and "Type".

LITERATURE CITED

- FABRICIUS, J. C., 1794 *a*. — Entomologica systematica emendata et aucta. **4** : 1-472.
- MELICHAR, L., 1924 *a*. — Monographie der Cicadellinen. I. *Annls Mus. natn. hung.*, **21** : 195-243.
- 1925 *a*. — *Op. cit.* II. *Ibid.*, **22** : 329-410.
- 1951 *a*. — *Op. cit.* V. *Annls hist.-nat. Mus. natn. hung.*, **1** : 72-111.
- METCALF, Z. P., 1942 *a*. — Bibliography of the Homoptera Auchenorrhyncha. *N. C. State Coll. Agr. Ent., Univ. North Carolina*, 886 pp.
- SIGNORET, V., 1853 *b*. — Revue iconographique des Tettigonides. *Annls Soc. ent. Fr.*, (3) **1** : 323-374.
- 1853 *c*. — *Op. cit. Ibid.*, **1** : 661-688.
- 1854 *d*. — *Op. cit. Ibid.*, **2** : 717-732.
- 1855 *a*. — *Op. cit. Ibid.*, **3** : 49-60.
- 1855 *d*. — *Op. cit. Ibid.*, **3** : 765-836.

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